Index to Volume 76 (1979)

Articles are listed by title (italicized), author and subject matter, all together in alphabetical order. Each listing concludes with date of issue and page number. For example, O/N 79(6);35 means Oct./Nov. 1979, No. 6, page 35.

A

Absorption refrigeration, solar air conditioning chiller-heater D/J 79(1);11 O/N 79 (6);48
Air compressor and fan motor exhaust heat recovery F/M 79(2);31,34
Air conditioning, conference at the University of Florida, Gainesville, proceedings of the 28th annual J/J 79(4);3
control of noise in air handling systems J/J 79(4);10
Solaris solar energy system O/N 79(6);36
system, design and operation of the Honeywell general offices A/M 79(3);3
Air terminal, Pitkin Cty, CO, solar heating D/J 79(1);9
Argonne Labs, *50,000 Watts Push Fusion Research* A/S 79(5):32
ASHRAE, reports from; window management O/N 79(6);35
Aspenson, Richard; *3M Energy Management Program* F/M 79(2);3
Atmospheric CO2 and temperature A/S 79(5);12
Automatic boiler blowdown control in plant energy management F/M 79(2);30

B

Bag dust collection and exhaust air recirculation F/M 79(2);37
Beadwall system for airport terminal D/J 79(1);9
Belusa, M. L. Fred; *Variable-Speed Pump Fan Drive Package* O/N 79(6);38
Boiler energy conservation strategies F/M 79(2);28
Bundy, William; *A Management Approach to Energy Reduction* A/S 79(5);45
Burger, R.; *Cooling Towers and Energy Efficiency* J/J 79(4);35
Burning sewage, to provide steam D/J 79(1);19

C

Calculating pipe sizing for hot water return J/J 79(4);44
Cascade steam system F/M 79(2);44
Chicago schools, modular steam boiler system J/J 79(4);46
Chiller tube brush cleaning system F/M 79(2);26
Coal resources, origin and extent of A/S 79(5);3
Coal, the problems with air quality, land and water conditions and miner health and safety A/S 79(5);6
CO2, effects on terrestrial life A/S 79(5);14
on the ocean A/S 79(5);15
Commercial building, solar powered, Georgia Power Co., Atlanta D/J 79(1);21
Commoner, B.; *The Economics of Methane* O/N 79(6);19
Control, of emission of contaminants from power plants A/S 79(4);10
of Sulfur dioxide (SO2), concerning power plants A/S 79(5);26
of effective radiant temperature, window management report from ASHRA O/N 79(6);35
Cooling brake system with closed circuit cooling for plant energy management F/M 79(2);42
Cooling in plant energy conservation program F/M 79(2);7
Cooling Towers and Energy Efficiency, by R. Burger J/J 79(4);35

D

Daylight illumination, window management report from ASHRAE O/N 79(6);35
Daylighting clerestories D/J 79(1);17
Delivering Methane, E. Luntey O/N 79(6);22
Demand charge for electricity A/S 79(5);41
Department of Energy and its Intergrated Community Energy Systems Program (ICES) A/M 79(3);11
District heating, Europe D/J 79(1);23
DOE ICES approach to community energy conservation A/M 79(3);14
Domestic Hot Water Return Pipe Sizing, by V. T. Pantuso J/J 79(4);44
Dorsey, Robert; *Lighting Systems and Energy Conservation* A/M 79(3);27
Drift elimination in cooling towers J/J 79(4);37
Dust collection for plant energy management F/M 79(2);41

E

Economic implications of energy planning A/M 79(3);22
Economics of Methane, by B. Commoner O/N 79(6);19

Effects of increases in CO_2 in the earth's atmosphere A/S 79(5);9
Effects on weather and climate, caused by atmospheric CO2 J/J 79(5);12
Electrical energy demand control for plant energy management F/M 79(2);31
Electric meter, how to read A/S 79(5);35
Energy conservation, Owens-Corning awards D/J 79(1);3
evolution of a heat pump system O/N 79(6);3
Energy in Hospital Buildings, by William A. Hyman PE, O/N 79(6);6
Energy, planning, economic implications A/M 79(3);22
pre-insulated panels for D/J 79(1);46
program, city of San Diego O/N 79(6);58
programs, industrial D/J 79(1);49
standards, for architectural, structural and civil engineering F/M 79(2);10
for electrical engineering F/M 79(2);13
for mechanical engineering F/M 79(2);17
Energy Efficient Air Distribution, by H. E. Woodward J/J 79(4);15
Energy Management Program by Richard L. Aspenson F/M 79(2);3
Energy transport controls for solar HVAC system at Honeywell's general offices A/M 79(3);10
Environmental controversy concerning coal J/J 79(5);5
Evaporative condensers and exchange of sensible heat in cooling towers J/J 79(4);35
Evolution of a heat pump, by M. Lucas O/N 79(6);2

F

Filtersfabric, for the utility industry A/S 79(5);23
50,000 Watts Push Fusion Research, by Argonne A/S 79(5);32
FGD systems, wet limestone filtration for power plants A/S 79(5);30
Flue gas treatment, power plants A/S 79(5);20
FLEET program, Florida's lifecycle energy evaluation program J/J 79(4);18
Fowler, D. T., *Performance of Motors in VAV Design* J/J 79(4);4
From the Meter to the Bill, by Ken Mozley A/S 79(5);35
Fuel adjustment on electric charges, explanation of A/S 79(5);41

G

Gas Resources and Reserves, by C. J. Mankin O/N 79(6);12
Georgia Power Company, meter reading J/J 79(5);38
Getting Energy Conservation off the Ground Floor, by Daniel A. Mazzeo D/J 79(1);49
Goodman, Paul; *Tax Deductions: The Cost of Ignorance*, D/J 79(1);45

H

Handwriting on the Power Plant Wall, by J. S. Troupe A/S 79(5);20
Hearthfire, a new fusion reactor concept A/S 79(5);32
Heating in plant energy conservation F/M 79(2);6
Heat pipe system in oven exhaust for plant energy management F/M 79(2);38
Heat pump, evolution of a clock system O/N 79(6);8
heating and cooling system, closed loop, water-to-air O/N 79(6);4
in district heating systems D/J 79(1);23
system satisfies 45-ton cooling load A/S 79(5);46
Heat recovery, from oxide kilns for plant energy management F/M 79(2);45
from paper mill for plant energy management F/M 79(2);35
from air exhaust for plant energy conservation F/M 79(2);21
from liquids and waste products for plant energy conservation F/M 79(2);23
unit recycles heat generated by lights, computer equipment, office machines and people D/J 79(1);6
High energy accelerator and reactor for thermonuclear fusion A/S 79(5);32
Hirschhorn, P.; *Solar Energy in Israel* J/J 79(4);41
Hot Water Distribution Systems for Low-Density Heat Areas D/J 79(1);23
Hyman, William A. PE; *Energy Conservations in Hospitals* O/N 79(6);6

I

Ice Bank Heat Pump System Satisfies 45-Ton Cooling Load, 15-ton, by Paul Rublee A/S 79(5);46
Industrial heat pumps: heat recycler A/M 79(3);35
Installation of variable speed drive on oven exhaust fan for plant energy conservation F/M 79(2);34
Insulate fuel oil storage tank for plant energy conservation F/M 79(2);43
Insulation, in steel wall construction D/J 79(1);46
Intergrated community energy systems planning A/M 79(3);25
Israel, solar energy J/J 79(4);41

L

Lamp replacement for plant energy management F/M 79(2);32
Lighting level reduction for plant energy management applications at 3MF/M 79(2);33
Lighting Systems and Energy Conservation, by Robert T. Dorsey A/M 79(3);27
Lightweight Concrete for Ocean Thermal Energy Plants A/M 79(3);33
Low-energy high pressure sodium lighting system D/J 79(1);22
Lucas, M.; *Evolution of a Heat Pump System* O/N 79(6);22
Luntey, E.; *Delivering Methane* O/N 79(6);22

M

Management Approach to Energy Reduction, by William Bundy A/S 79(5);45
Management of industrial energy conservation programs D/J 79(1);49
Mankin, C. J.; *Gas Resources and Reserves* O/N 79(6);12
Maker room waste heat recovery for plant energy management F/M 79(2);38
Make-up air system output J/J 79(4);26
Margen, Peter; *New Types of Hot Water Distribution systems* D/J 79(1);2
Mazzeo, Daniel A.; *Getting Energy Conservation off the Ground Floor* D/J 79(1);49
Mechanical dust collectors for controlling emission of contaminants J/J 79(5);21
Methane from Biomass, R. Yeck O/N 79(6);16
Methane, the Case for, by S. Rattner O/N 79(6);11
Modular Steam Boilers for Chicago Schools J/J 79(4);46
Mozley, Ken; *From the Meter to the Bill* A/S 79(5);35
Museum of Science and Industry, Tampa, energy award for design of D/J 79(1);3

N

New Types of Hot Water Distribution Systems for Low-Density Heat Areas, by Paul Margen D/J 79(1);23
Nodiff, Marvin J.; *The Politics of Energy Planning* A/M 79(3);21

O

Ol'King Coal A/S 79(5);3
100-Mile Heat Pipe, a concept in power delivery A/M 79(3);39
Owens-Corning Energy Conservation Awards D/J 79(1);3

P

Pantuso, V. T.; *Domestic Hot Water Return Pipe Sizing* J/J 79(4);44
Paper recycling for plant energy management F/M 79(2);45
Pasch, R. M.; *Solar Process and Make-Up Air Heating* J/J 79(4);23
Peak shaving, electric for plant energy management (including diesel powered generators) F/M 79(2);32
Performance of Motors in VAV Design, by D. T. Fowler J/J 79(4);4
Photoelectrolysis plant concept, "tandem" A/ M 79(3);20
Piping for district heating D/J 79(1);23
Plant Energy Conservation Council, *A Management Approach to Energy Reduction* A/S 79(5);45
Plant energy, conservation program F/M 79(2);5
Plastics in district heating compared to metal for piping D/J 79(1);38
Politics of Energy Planning, by Marvin J. Nodiff A/M 79(3);21
Power factor correction for plant energy management F/M 79(2);33
Pre-Insulated Panels Increase Energy Efficiency D/J 79(1);46
Process equipment scheduling for controlling electric demand for plant energy management F/M 79(2);33
Process heating system, output of a J/J 79(4);27

R

Ratter, Steve; *Why not Methane?* O/N 79(6);11
Recirculating cafeteria exhaust for energy management F/M 79(2);42
Recovery of hot mill air for plant energy management F/M 79(2);37
Recovery of flash steam #5 maker for O.A. pre-heat in plant energy management F/M 79(2);40
Return air systems, control of noise in J/J 79(4);14
Re-use heated waste water for boiler makeup for plant energy management F/M 79(2);27
Re-use of thermal oxidizer air for plant energy management F/M 79(2);36
Roof replacement inplant energy management F/M 79(2);39
Rublee, Paul; *15-Ton Ice Bank Heat Pump System Satisfies 45-Ton Cooling Load* A/S 79(5);46

S

San Diego Could Save $1.6M Energy in Decade O/N 79(6);58
Safety Considerations for Power Factors Correction Capacitors, by Wayne Adams A/ M 79(3);29
Scrap paper disposal for plant energy management F/M 79(2);44
Scrap solvent burning for plant energy management F/M 79(2);40
The Sea as an alternative source of energy in Israel J/J 79(4);43
Sechler, T. A.; *Florida's FLEET Program* J/J 79(4);18
Skylid solar heating control system D/J 79(1);9
Solar systems at Honeywell's general offices domestic hot water subsystem A/M 79(3);8
collector controls for solar HVAC A/M 79(3);10
collector subsystem A/M 79(3);5
cooling subsystem A/M 79(3);8
heating subsystem A/M 79(3);7
Solar Energy in Israel, by P. Hirchhorn J/J 79(4);41
Solar homes designed to provide Exxon with data O/N 79(6);27
Solar hot water systems D/J 79(1);13
Solar,
photo-voltaic system D/J 79(1);3
pond, research of solar energy in Israel J/J 79(4);41
production of hydrogen fuel A/M 79(3);19
Process and Make-Up Air Heating, by R. M. Pasch J/J 79(4);23
system, largest commercial application of medium-temperature collectors to date D/J 79(1);21
thermal systems, Exxon O/N 79(6);27
Solaris solar heating system, test results O/N 79(6);30
Solid waste burning for plant energy management at 3M F/M 79(2);41
Static regenerative wound-rotor motor drive J/J 79(4);9
Sweden, district heating in D/J 79(1);23

T

Tax Deductions: The Cost of Ignorance, by Paul Goodman D/J 79(1);45
Telephone building energy conservation, design of D/J 79(1);12
Templifier demonstration unit, heat recycler A/M 79(3);36
Testing, adjusting and balancing of energy efficient air distribution J/J 79(4);15
Thermal storage system, test results of solar heating system O/N 79(6);30
Tower Cycle to Cut Costs, Save Energy A/S 79(5);33
Troupe, J. S.; *Handwriting on the Power Plant Wall: Flue Gas Treatment* A/S 79(5);20
Turner, B.; *Control of Noise in Air Handling Systems* J/J 79(4);10
Two-speed motor drives in VAV design J/J 79(4);7

U

Underground construction for telephone building D/J 79(1);12
Unique Low-U Wall and Roof Panel J/J 79(4);32
University construction, re-hab State University of New York Albany Headquarters D/J 79(1);6
University of Minnesota Law School, Minneapolis D/J 79(1);14
Uses of coal; do's, don'ts and possibilities A/S 79(5);3

V

Ventilation in plant energy conservation F/M 79(2);8
Variable-speed motor drive in VAV design J/J 79(4);7
Variable-speed pump and fan drive package, manufacturer's letter O/N 79(6);38

W

Wastewater treatment plant, Southerly-Center, Cleveland, OH D/J 79(1);18
Water conservation in plant energy conservation F/M 79(2);24
Water distribution in cooling towers J/J 79(4);36
Wet deck fill for energy efficiency in cooling towers J/J 79(4);35
Why not Methane? by Steve Ratter O/N 79(6);11
Window Management and Controlling Infiltration, O/N 79(6);35
Wind turbines in Israel J/J 79(4);42
W-panel, low wall and roof panels J/J 79(4);32

Y

Yeck, R.; *Methane from Biomass* O/N 79(6);16